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		11137/05006		09/936,190	
		APPLICANT			
		Richard A. Dixon, et al.			
		FILING DATE		GROUP	
		December 9, 2001		1638	



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RK	AL	WO	96	1	5	2	3	9	5/23/96	PCT	C12N	15/11				
RK	AM	WO	99	1	9	4	9	3	4/22/99	PCT	C12N	15/53				
	AN															
	AO															
	AP															

(Including Author, Title, Date, Pertinent Pages, Etc.).

RK	AR		Adlercreutz, et al., 1991, "Urinary excretion of lignans and isoflavonoid phytoestrogens in
↓			Japanese men and women consuming a traditional Japanese diet," <i>Am J Clin Nutr</i> 54:1093-1100
↓	AS		Akashi, et al, 1998, "Identification of a cytochrome P450 cDNA encoding (2S)-flavanone 2-hydroxylase of licorice (<i>Glycyrrhiza echinata</i> L.: <i>Fabaceae</i>) which represents licodione synthase and flavone synthase II,"
↓			<i>FEBS Letters</i> 431: 287-290
↓	AT		Akashi, T., et al., 1999, "Cloning and Functional Expression of a Cytochrome P450 cDNA Encoding 2-Hydroxyisoflavanone Synthase Involved in Biosynthesis of the Isoflavonoid Skeleton in Licorice," <i>Plant</i>
RK			<i>Physiology</i> , 121:821-828

EXAMINER	Russell Hallin	DATE CONSIDERED	7/12/2004
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(Including Author, Title, Date, Pertinent Pages, Etc.).							
PK	BR	Akiyama, et al., 1987, "Genistein, a specific inhibitor of tyrosine-specific protein kinases," <i>J Biol Chem</i> 262: 5592-559					
	BS	Angell, S. M. and D. C. Baulcombe, 1997, "Consistent gene silencing in transgenic plants expressing a replicating potato virus X RNA," <i>EMBO J</i> 16:3675-3684					
	BT	Arora, et al., 1998, "Antioxidant activities of isoflavones and their biological metabolites in a liposomal system," <i>Arch Biochem Biophys</i> 356: 133-141					
PK							
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(Including Author, Title, Date, Pertinent Pages, Etc.).							
RK	CR			Bhattacharyya, M. K. and E. W. B. Ward, 1987, "Biosynthesis and metabolism of glyceollin I in soybean hypocotyls following wounding or inoculation with <i>Phytophthora megasperma</i> f. sp. <i>glycinea</i> ," <i>Physiol and Mol Plant Pathology</i> 31: 387-405			
	CS			Bourque, J.E., 1995, "Antisense strategies for genetic manipulations in plants," <i>Plant Science</i> 105:125-149			
				Clough, S.J. and Bent, A.F., 1998, "Floral dip: a simplified method for <i>Agrobacterium</i> -mediated transformation of			
	CT			<i>Arabidopsis thaliana</i> ," <i>Plant J</i> 16: 735-74			
RK							
EXAMINER <u>Paul Kelly</u> DATE CONSIDERED <u>7/12/2004</u> *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.							

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(Including Author, Title, Date, Pertinent Pages, Etc.).												
RK	DR		Colliver, S.P., et al., 1997, "Differential modification of flavonoid and isoflavonoid biosynthesis with an antisense									
			chalcone synthase construct in transgenic <i>Lotus corniculatus</i> ," <i>Plant Molecular Biology</i> , 35: 509-522									
	DS		Coward, et al., 1993, "Genistein, daidzein, and their β -glycoside conjugates: antitumor isoflavones in soybean									
			foods from American and Asian diets," <i>J Agricultural and Food Chemistry</i> 41: 1961-1967									
	DT		Dakora, et al., 1993, "Common bean root exudates contain elevated levels of daidzein and coumestrol in response									
RK			to <i>Rhizobium</i> inoculation," <i>Mol Plant-Microbe Interact</i> 6: 665-668									
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RK	ER			Dixon, R. A. and N. L. Paiva, 1995, "Stress-induced phenylpropanoid metabolism," <i>Plant Cell</i> 7: 1085-1097			
	ES			Dixon, R., et al., 1995, "The isoflavonoid phytoalexin pathway: From enzymes to genes to transcription factors," <i>Physiologia Plantarum</i> , 93:385-392			
	ET			Dixon, R.A., Blyden, E.R., Robbins, M.P., van Tunen, A.J. and Mol, J.N.M., 1988, "Comparative biochemistry of chalcone isomerases." <i>Phytochemistry</i> 27: 2801-2808			
RK							
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RK	FR	Dixon, R.A., et al., 1999 "Molecular controls for isoflavonoid biosynthesis in relation to plant and human health," <i>Phytochemicals in Human Health Protection, Nutrition and Plant Defense</i> , Romeo, ed., Kluwer Academic/ Plenum Publishers, New York; pp. 133-159					
	FS	Draper, et al., 1997, "Phytoestrogens reduce bone loss and bone resorption in oophorectomized rats," <i>J Nutr</i> 127: 1795-1799					
	FT	Graham, T.L., 1991, "Flavonoid and isoflavonoid distribution in developing soybean seedling tissues and in seed and root exudates," <i>Plant Physiol</i> 95: 594-603					
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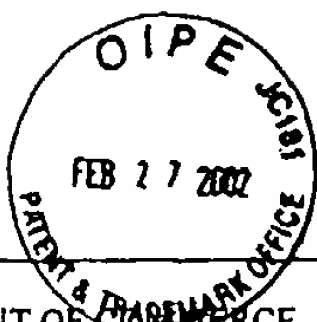


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(Including Author, Title, Date, Pertinent Pages, Etc.).										
RK	GR	Graham, T.L., 1998, "Flavonoid and flavonol glycoside metabolism in <i>Arabidopsis</i> ". <i>Plant Physiol Biochem</i> 36:								
		135-144								
	GS	Hadwiger, L. A. and D. M. Webster, 1984, "Phytoalexin production in five cultivars of pea differentially resistant								
		to three races of <i>Pseudomonas syringae</i> pv. <i>pisi</i> ," <i>Phytopathology</i> 74: 1312-1314								
	GT	Hagmann, M. and H. Grisebach, 1984, "Enzymatic rearrangement of flavanone to isoflavone," <i>FEBS Letters</i> 175:								
RK		199-202								
EXAMINER <u>Ronald Kallen</u> DATE CONSIDERED <u>7/12/2004</u>										
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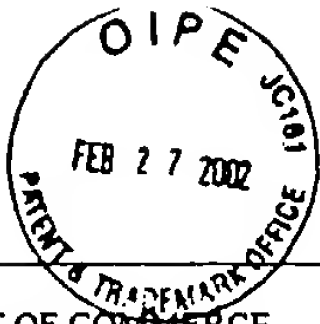


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(Including Author, Title, Date, Pertinent Pages, Etc.).							
RK	HR	Hakamatsuka, et al., 1991, "P-450-dependent oxidative rearrangement in isoflavone biosynthesis: reconstitution of					
		P-450 and NADPH:P450 reductase," <i>Tetrahedron</i> 47: 5969-5978					
	HS	Hakamatsuka, et al., 1998, "Purification of 2-hydroxyisoflavanone dehydratase from the cell cultures of <i>Pueraria</i>					
		<i>lobata</i> ," <i>Phytochemistry</i> 49: 497-505					
	HT	Hashim, et al., 1990, "Reaction mechanism of oxidative rearrangement of flavanone in isoflavone biosynthesis,"					
RK		FEBS Letters 271: 219-222					
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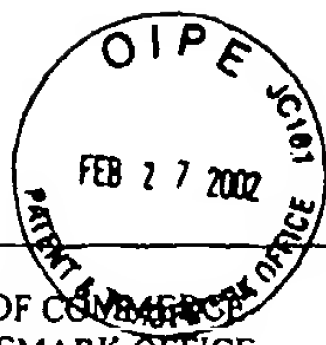


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(Including Author, Title, Date, Pertinent Pages, Etc.).							
RK	IR			Horsch, et al., 1985, "A simple and general method for transferring genes into plants," <i>Science</i> 227:1229-1231			
I	IS			Jung, W., et al., 2000, "Identification and expression of isoflavone synthase, the key enzyme for biosynthesis of isoflavones in legumes," <i>Nature Biotechnology</i> 18: 206-212			
↓ RK	IT			Kape, et al., 1992, "Legume root metabolites and VA-mycorrhiza development," <i>J Plant Physiol</i> 141: 54-60			
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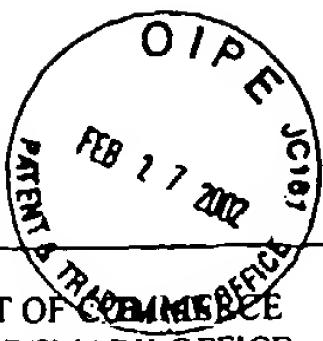


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(Including Author, Title, Date, Pertinent Pages, Etc.)							
RK	JR	Kessmann, et al., 1990, "Stress responses in alfalfa (<i>Medicago sativa</i> L.) III. Induction of medicarpin and cytochrome P450 enzyme activities in elicitor-treated cell suspension cultures and protoplasts," <i>Plant Cell Reports</i>					
		9: 38-41					
	JS	Keung, et al., 1995, "Daidzin suppresses ethanol consumption by Syrian golden hamsters without blocking acetaldehyde metabolism," <i>Proc Natl Acad Sci USA</i> 92: 8990-8993					
	JT	Keung, W. M. and B. L. Vallee, 1993, "Daidzin: A potent, selective inhibitor of human mitochondrial aldehyde dehydrogenase," <i>Proc Natl Acad Sci USA</i> 90: 1247-1251					
✓ RL							
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(Including Author, Title, Date, Pertinent Pages, Etc.).							
RK	KR			Kirikae, et al., 1993, "Biosynthesis of a dibenzoylmethane, licodione, in cultured alfalfa cells induced by yeast extract," <i>Biosci Biotech Biochem</i> 57: 1353-1354			
	KS			Klein, et al., 1988, "Stable genetic transformation of intact <i>Nicotiana</i> cells by the particle bombardment process," <i>Proc Natl Acad Sci USA</i> 85:8502-8505			
	KT			Kochs, G. and H. Grisebach, 1986, "Enzymic synthesis of isoflavones," <i>European J Biochem</i> 155: 311-318			
RK							
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(Including Author, Title, Date, Pertinent Pages, Etc.).							
RK	LR	Kochs, G. and H. Grisebach, 1987, "Induction and characterization of a NADPH-dependent flavone synthase from					
		cell cultures of soybean," <i>Z. Naturforsch</i> 42C: 343-348					
	LS	Kosslak, et al., 1987, "Induction of <i>Bradyrhizobium japonicum</i> common <i>nod</i> genes by isoflavones isolated from					
		<i>Glycine max</i> ," <i>Proc Natl Acad Sci USA</i> 84: 7428-7432					
	LT	Köster, J. and W. Barz, 1981, "UDP-Glucose: isoflavone 7-O-glucosyltransferase from roots of chick pea (<i>Cicer</i>					
V RK		<i>arietinum</i> L.)." <i>Arch Biochem Biophys</i> 212: 98-104					
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RK	MR	Lee, et al., 1991, "Dietary effects on breast-cancer risk in Singapore," <i>Lancet</i> 337: 1197-1200
J	MS	Long, et al., 1985, "Further studies on the relationship between glyceollin accumulation and the resistance of soybean leaves to <i>Pseudomonas syringae</i> pv. <i>glycinea</i> ," <i>Phytopathology</i> 75: 235-239
J	MT	Martens, S. and G. Forkmann, "Cloning and expression of flavone synthase II from Gerbera hybrids," <i>Plant J</i> 20: 611-618
RK		

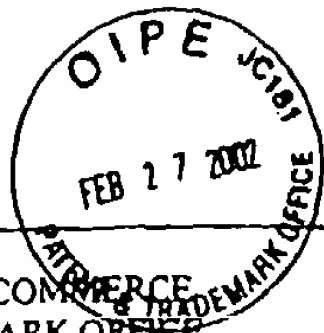
EXAMINER	<i>Russell Kelly</i>	DATE CONSIDERED	<i>7/12/2004</i>
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(Including Author, Title, Date, Pertinent Pages, Etc.).							
RK	NR	Martin, et al., 1996, "Interactions between phytoestrogens and human sex steroid binding protein," <i>Life Sciences</i>					
		58: 429-436					
I	NS	Nelson, et al. 1993. "The P450 superfamily update on new sequences, gene mapping, accession numbers, early					
		trivial names of enzymes, and nomenclature," <i>DNA Cell Biol</i> 12:1					
S	NT	Otani, et al., 1994, "Licodione synthase, a cytochrome P450 monooxygenase catalyzing 2-hydroxylation of 5-					
DI		deoxyflavanone, in cultured <i>Glycyrrhiza echinata</i> L. cells," <i>Plant Physiol</i> 105: 1427-1432					
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	OR	Plant, et al., 1994, "Lipoic acid synthase, a cytochrome P-450 monooxygenase catalyzing 2-hydroxylation of					
		deoxyflavone, in cultured cells, and in whole plants. L. et al., 1994, "Regulation of isoflavonoid metabolism in alfalfa," Plant Cell, Tissue and Organ					
RK	OS	Paiva, N. L. et al., 1994, "Regulation of isoflavonoid metabolism in alfalfa," <i>Plant Cell, Tissue and Organ Culture</i> , 38: 213-220					
I	OT	Pauli, H. H. and T. M. Kuchan, 1998, "Molecular cloning and functional heterologous expression of two alleles encoding (S)-N-methylcoclaurine 3'-hydroxylase (CYP80B1), a new methyl jasmonate-inducible cytochrome P-450-dependent mono-oxygenase of benzylisoquinoline alkaloid biosynthesis," <i>The Plant J</i> 13: 793-801					
RK							
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(Including Author, Title, Date, Pertinent Pages, Etc.).

PR		Rahe, J. E., 1973, "Occurrence and levels of the phytoalexin phaseollin in relation to delimitation at sites of infection of <i>Phaseolus vulgaris</i> by <i>Colletotrichum lindemuthianum</i> ," <i>Canadian J Botany</i> 51: 2423-2430
PS		Sambrook, et al. 1989. <i>Molecular Cloning. A Laboratory Manual</i> , 2nd Ed, Cold Spring Harbor Laboratory Press, New York; pp. 7.2-7.87 and 9.2-9.62
PT		Siminszky, B., Corbin, F.T., Ward, E.R., Fleischmann, T.J. and Dewey, R.E., 1999, "Expression of a soybean cytochrome P450 monooxygenase cDNA in yeast and tobacco enhances the metabolism of phenylurea herbicides." <i>Proc. Natl. Acad. Sci. USA</i> 96: 1750-1755

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PK	QR			Steele, C.L., et al., 1999, "Molecular Characterization of the Enzyme Catalyzing the Aryl Migration Reaction of			
				Isoflavonoid Biosynthesis in Soybean," Archives of Biochemistry and Biophysics, 367: 146-150			
	QS			Tahara, S. and R. K. Ibrahim, 1995, "Prenylated isoflavonoids - an update," Phytochemistry 38: 1073-1094			
	QT			Tikkanen, et al., 1998, "Effect of soybean phytoestrogen intake on low density lipoprotein oxidation resistance,"			
PK				Proc Natl Acad Sci USA 95: 3106-3110			
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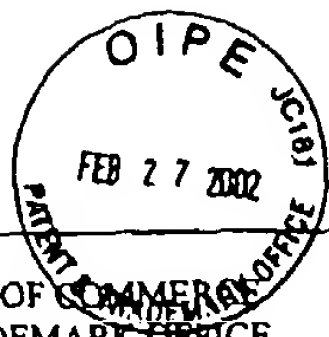


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RI	RR	Tomonaga, et al., 1992, "Isoflavonoids, genistein, PSI-tectorigenin, and orobol, increase cytoplasmic free calcium in isolated rat hepatocytes," <i>Biochem Biophys Res Com</i> 182: 894-899					
	RS	Uckun, et al., 1995, "Biotherapy of B-cell precursor leukemia by targeting genistein to CD19-associated tyrosine kinases," <i>Science</i> 267: 886-891					
	RT	van Buuren, M.L., I.E. Maldonado-Mendoza, A.T. Trieu, L.A. Blaylock, and M.J. Harrison, 1999, "Novel genes induced during an arbuscular mycorrhizal (AM) symbiosis formed between <i>Medicago truncatula</i> and <i>Glomus versiforme</i> ," <i>Mol. Plant-Microbe Interact.</i> 12, 171-181					
RIK							
EXAMINER <i>Russell Kalli</i> DATE CONSIDERED <i>7/12/2004</i>							
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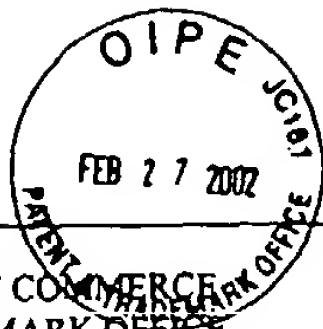


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(Including Author, Title, Date, Pertinent Pages, Etc.).							
RK	SR	VanEtten, et al., 1989, "Phytoalexin detoxification: importance for pathogenicity and practical implications," <i>An</i>					
		<i>Rev Phytopathology</i> 27: 143-164					
	SS	Wagner, et al., 1997, "Dietary soy protein and estrogen replacement therapy improve cardiovascular risk factors and decrease aortic cholesteryl ester content in ovariectomized cynomolgus monkeys," <i>Metabolism - Clinical and</i>					
		<i>Experimental</i> 46: 698-705					
	ST	Welle, R. and Grisebach, H., 1989, "Phytoalexin synthesis in soybean cells: elicitor induction of reductase involved					
RK		in biosynthesis of 6'-deoxychalcone." <i>Arch Biochem Biophys</i> 272: 97-102					
EXAMINER		Russell Hallin		DATE CONSIDERED		7/12/2004	
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RK	TR			Xie, et al., 1995, "Rhizobial nodulation factors stimulate mycorrhizal colonization of nodulating and nonnodulating			
RK				soybeans," <i>Plant Physiology</i> 108: 1519-1525			
	TS						
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